APPENDIX A
DETERMINATION OF ASPHALT CONTENT
BY CALCULATION FROM MAXIMUM SPECIFIC GRAVITY

PROJECT NO._____   SAMPLE ID._____
COUNTY_____   TEST NO._____
CONTRACTOR_____   DATE _____
MIX TYPE_____   MIX DESIGN #_____

CALCULATION OF AGGREGATE EFFECTIVE SPECIFIC GRAVITY

% Asphalt......(Measurements from tank stick, meter, or nuclear method)................... ....1) __.__ __

Asphalt Specific Gravity...2) __.__ __ __

100 - % Asph. ....(100 - line 1)..3) __ __.__ __

% Asph / Asphalt Specific Gravity....(line 1 / line 2)...4) __.__ __ __

$$\text{Avg. Max. Sp. Gr.} = \frac{(\text{sample 1} + \text{sample 2} + \text{sample 3})}{3} = \quad 5)\ \_\_.\_\_\ \_\_\ \_\_$$

100 / Avg. Max. Sp. Gr. ....(100 / line 5).......(vol. of Mixture):...6)__ __.__ __ __

Vol. Mixture - Asph. Vol..........(line 6 - line 4)............................ ....7)__ __.__ __ __

Effective Sp. Gr. of Aggregate.......(line 3 / line 7)..8) __.__ __ __

CALCULATION OF PERCENT ASPHALT

Max Sp. Gr....(from individual max. Sp. Gr. test)..9) __.__ __ __

Effective Sp. Gr. Agg. X Asph. Sp. Gr. .... (line 8 x line 2)............. ....10) __.__ __ __

Max. Sp. Gr. X Asph. Sp. Gr. ....(line 9 x line 2)...11) __.__ __ __

Effective Sp. Gr. Agg. X Max. Sp. Gr. .....(line 8 x line 9)............... ....12) __.__ __ __

(Eff. Sp. Gr. Agg. X Asph. Sp. Gr.) - (Max. Sp. Gr. X Asph. Sp. Gr.)....
.....(line 10 - line 11)...13) __.__ __ __

(Eff. Sp. Gr. Agg. X Max. Sp. Gr.) - (Max. Sp. Gr. X Asph. Sp. Gr.)....
.....(line 12 - line 11)...14) __.__ __ __

(line 13 / line 14)...15) __.__ __ __

% Asphalt by Calculation_____ ....(100 X line 15)...16) __.__